Needs Analysis for Medical English Education :

Doctors' Literacy Related with Cognition and Identity

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Community of Medical University

Juntendo University

Faculty of Medicine

Faculty of Health and Sports Science

- Faculty of Health Care and Nursing
- Faculty of Health Science and Nursing
- Faculty of International Liberal Arts ← Department I belong to
- Faculty of Health Science
- Faculty of Medical Science
- Faculty of Health Data Science

Communities of Practice Learning, meaning, and Identity (Wenger 1997)

The Purpose

Future: Develop curriculum for Medical English

↑

Dissertation: Needs Analysis of Medical Doctors

(compare with students needs)

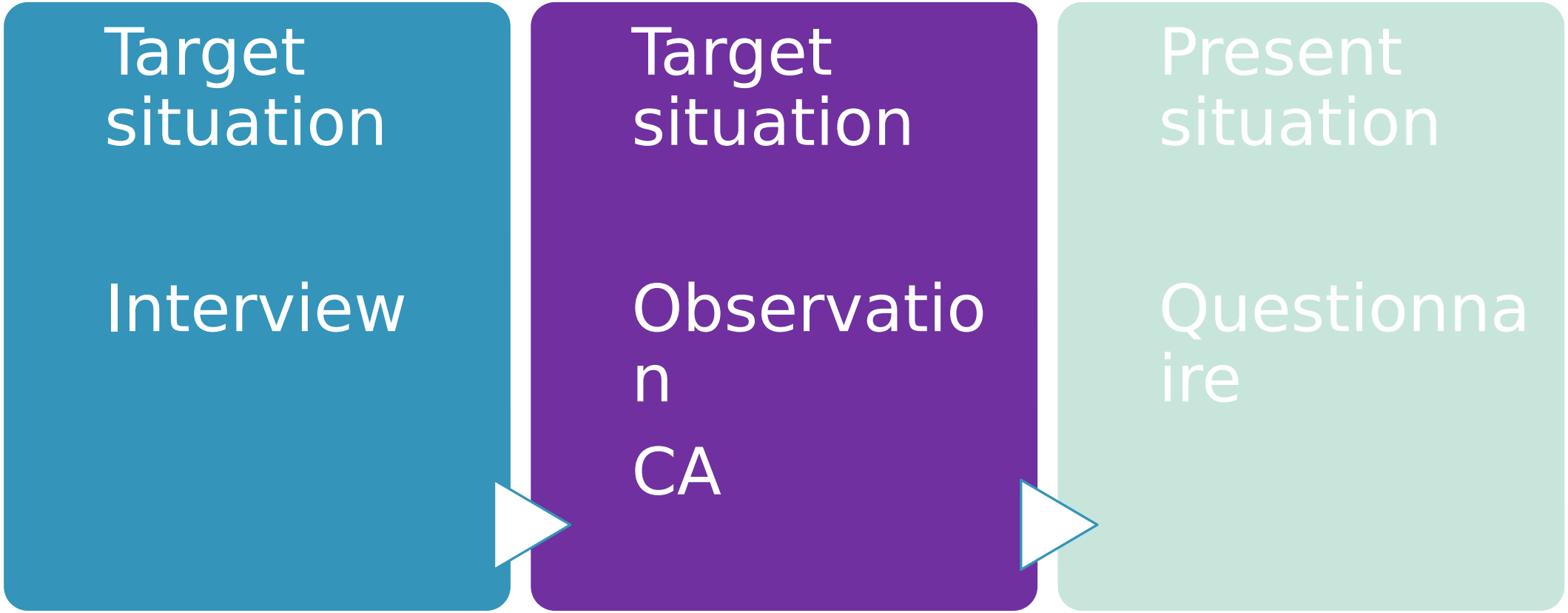
Literacy of doctors

Cognition (how doctors perceive the difference of their cognition and the patients cognition)

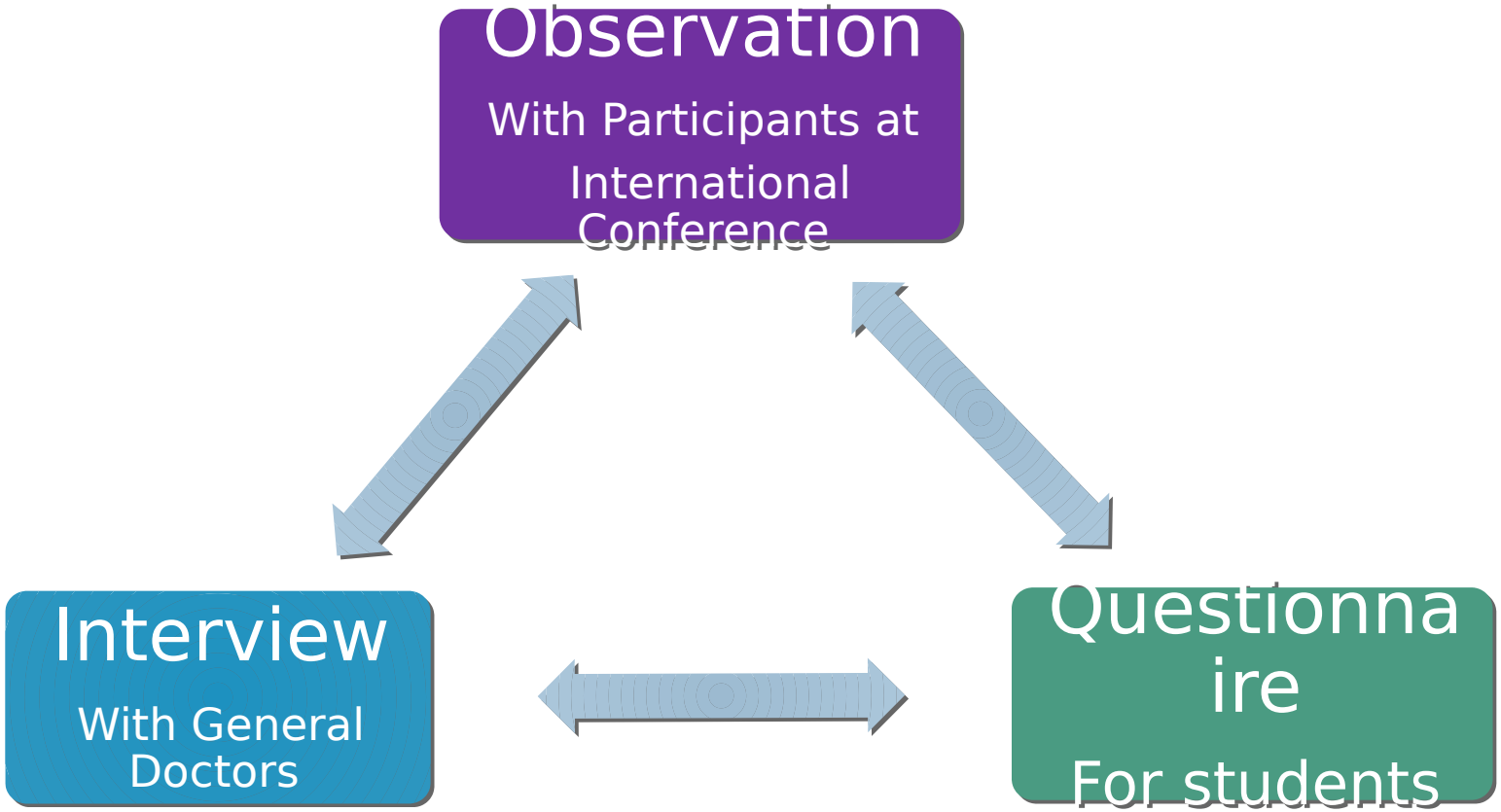
Identity (how doctors identity as a doctor related with their attitude)

Needs analysis

Needs analysis



Triangulation



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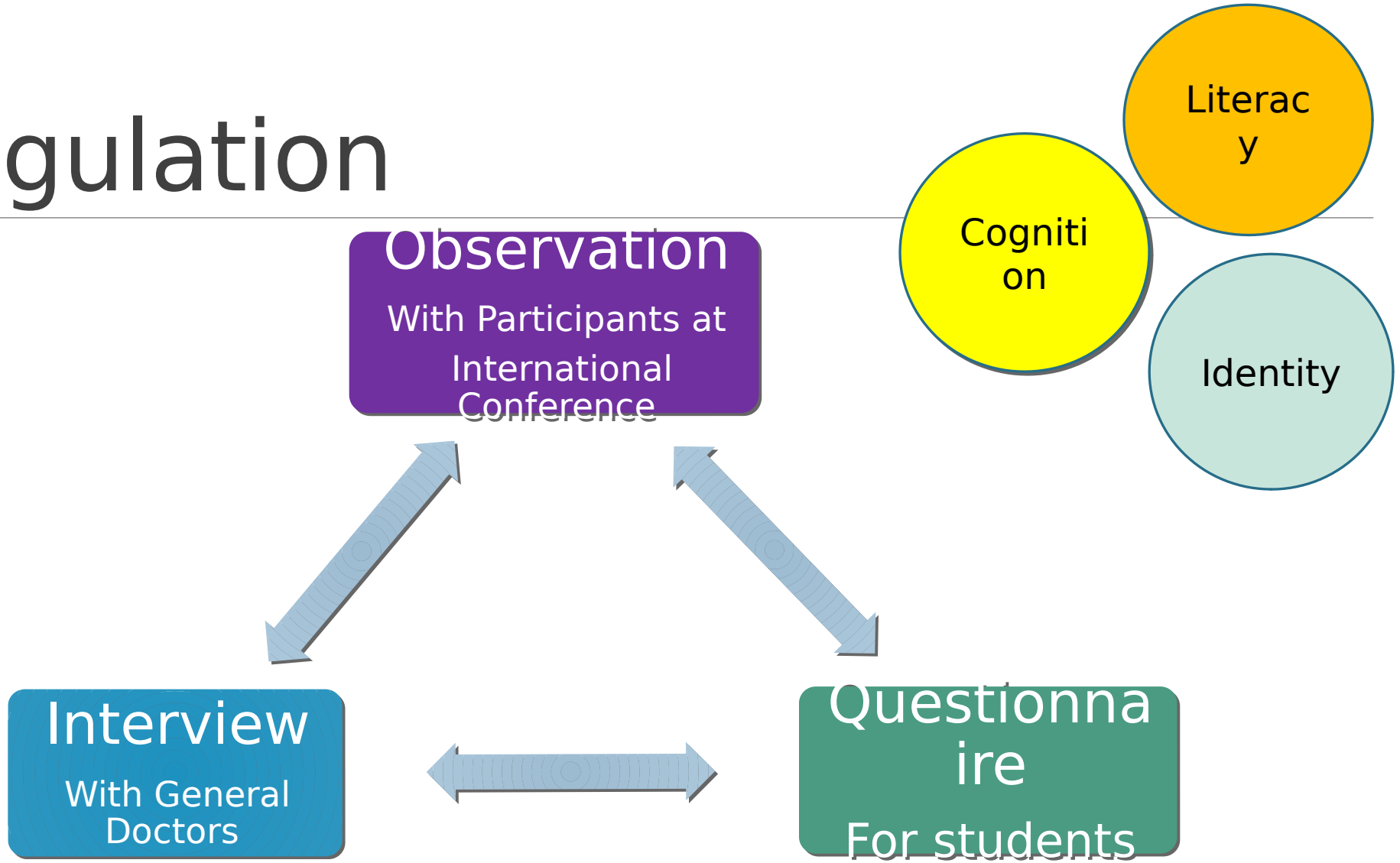


Traditional **Literacy** in General

Literacy ≒ the ability

To to……..Reading, Writing, calculating,

computer skills..

Illiterate person … Someone who has not acquire reading and writing skills

Collins (1995)

Gee (1989)

New Literacy Studies （NLS)

1. **Multimodality**:　visual, oral, digital, multimedia　　Street & Hornberger (2010)

2. **Social practices**: embedded within social practices　　Street (1995)

3. **Literacy events and practices**　reading is utilized in real-world situations　Defoe (2004)

4. **Literacy as a social and cultural tool**:　working life and literacies　Hunter (2004)

Media literacy　(Yoshimura, 2021),

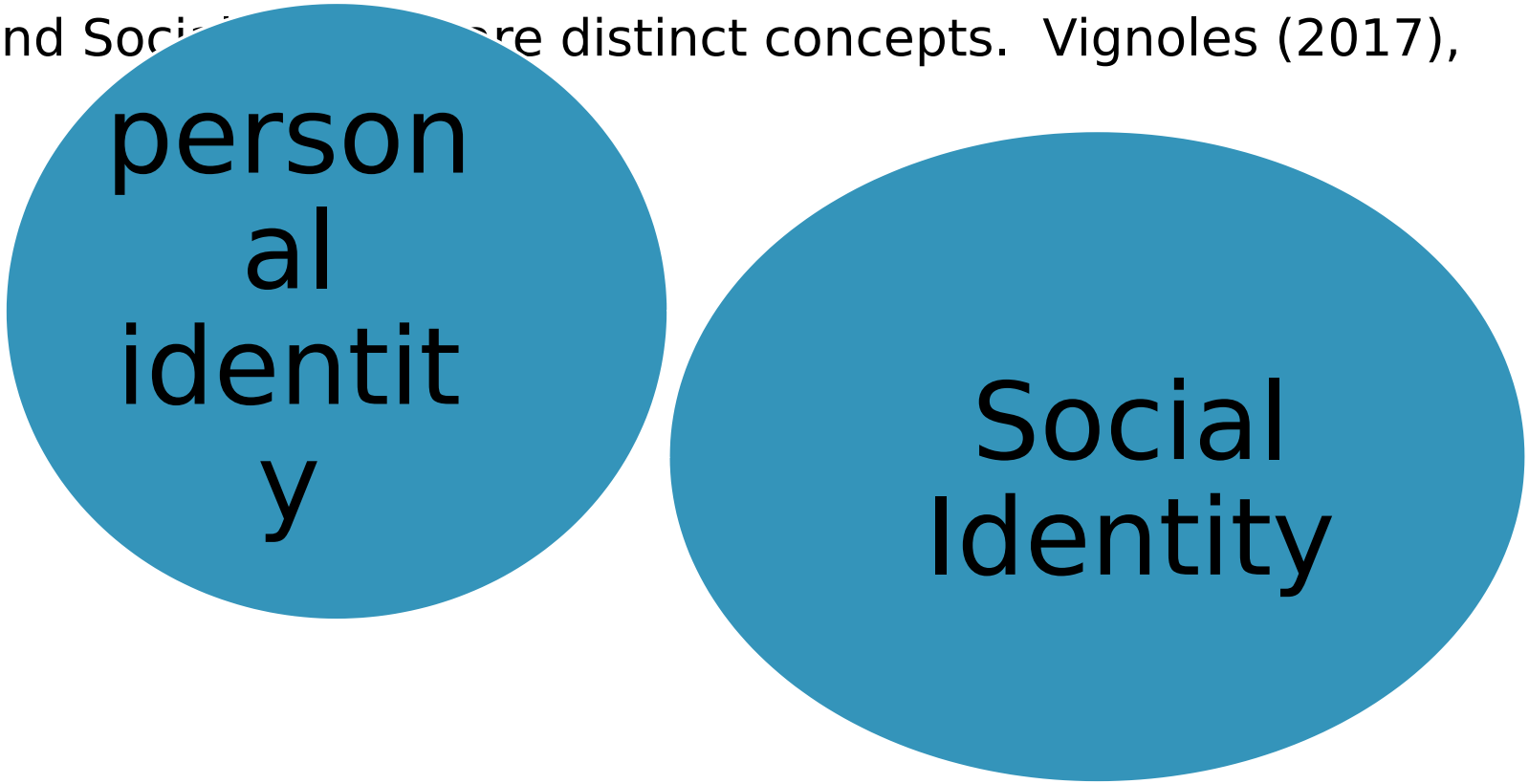
ICT literacy　(Tomotaki, 2022),

Legal literacy (Sakai, 2022)

Physical literacy

Identity

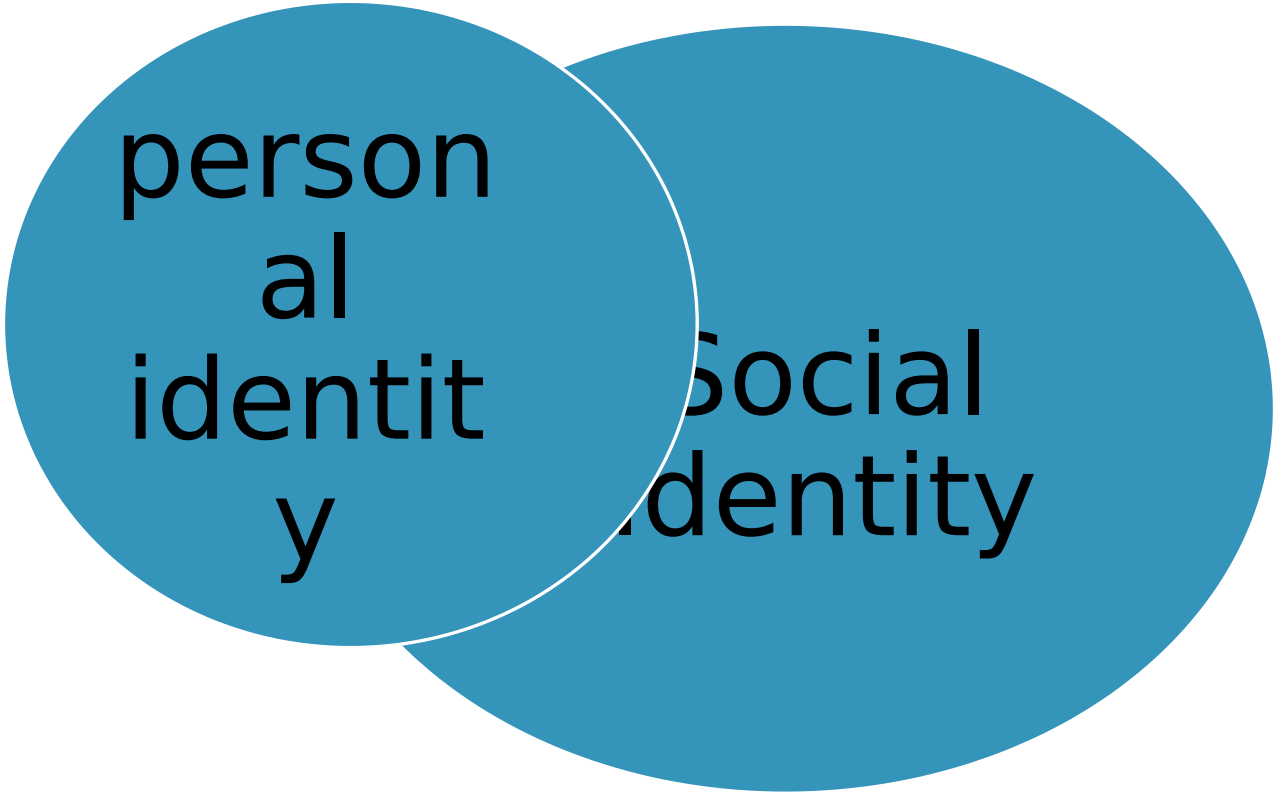
Personal Identity and Soci[illegible]re distinct concepts. Vignoles (2017),



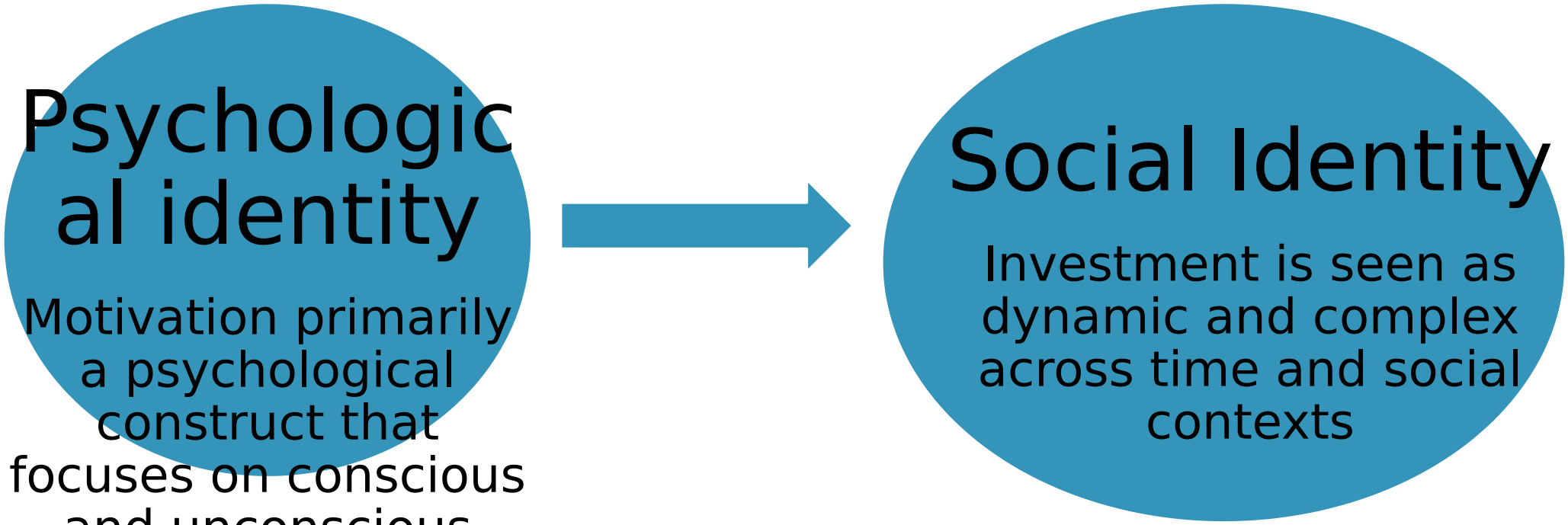
Identity

Personal Identity

Social Identity



Social Motivation to Investment



The Study
*Research Question

1. How does literacy affect doctors' discourse?

2. How do doctors construct their professional identity through discourse?

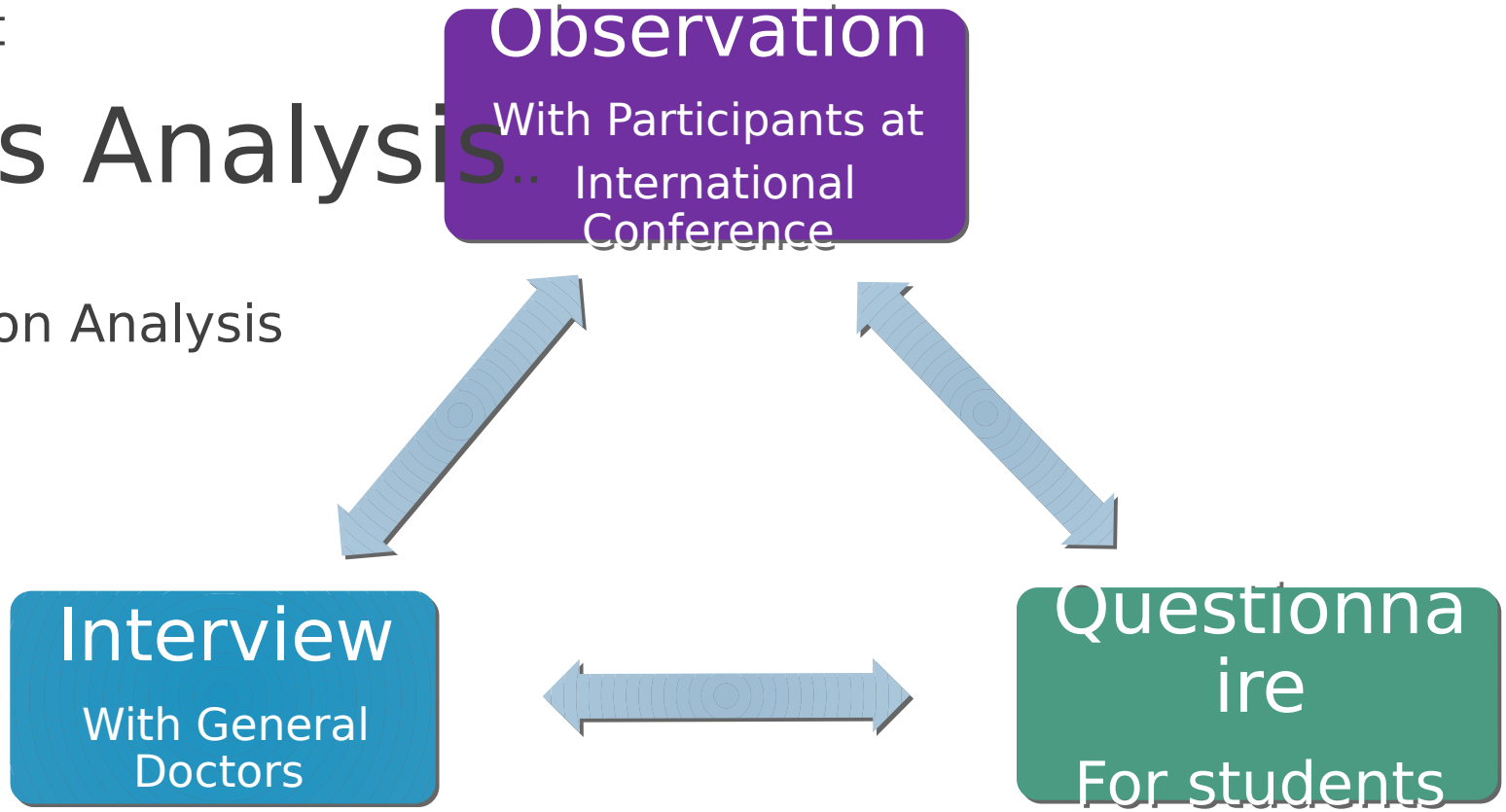
3. What are the pedagogical implications of doctors' literacy and perceived identity?

Methodology

To conduct

Needs Analysis..

Conversation Analysis



Data collection Method

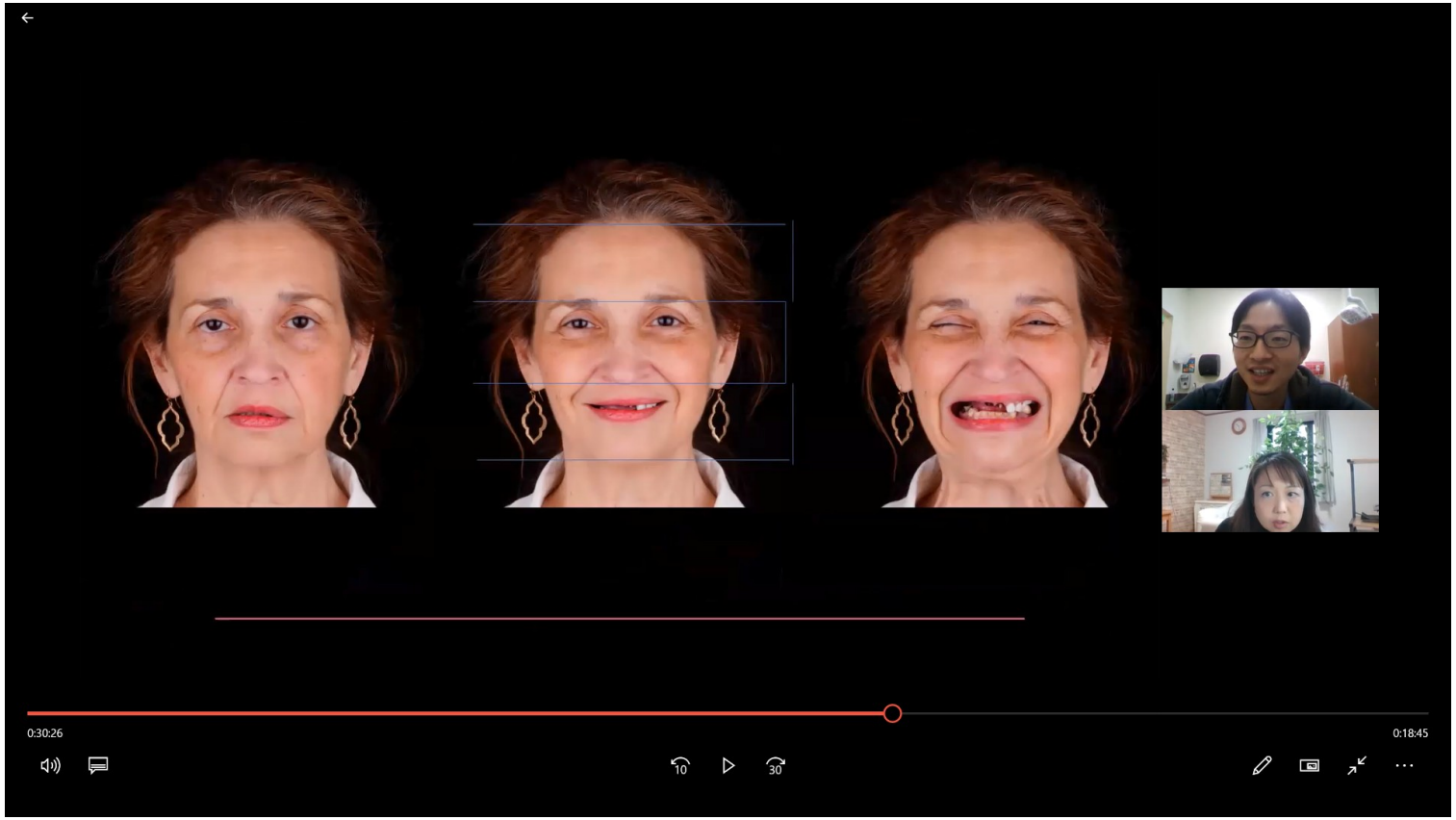
	Methods	Data Collection Methods	Participants
1	Interview	written and electric forms of question sheets	Doctors
		face to face interview recording	Dentist
		zoom video recording	Veterinarian
			Student Researchers
2	Participants Observation	note-taking for 8 sessions for 15 speakers	Doctors
		video recording	
		interview by e-mail exchange	
3	Questionnaire to the students	written forms of question sheets	Students

Interview Date	Participant's Name *Pseudonym	Gender	Age	Affiliation, Speciality
March, 4th, 2020	Dr. Kotani	M	66	Veterinarian, research worker, immunology
March, 6th, 2020	Dr. Funabashi	M	34	Cardiology doctor, graduate student
March, 9th, 2020	Dr. Tsuchiya	M	43	Medical Director of Cardiology, Associate professor
March, 11th, 2020	Dr. Hirata	M	47	Endoscopic surgeon, Associate professor
March, 18th, 2020	Dr. Fujisawa	M	49	Breast endocrinology surgeon, Associate professor
March, 20th, 2020	Dr. Matsumaru	F	41	Obstetrician and gynecologist
August, 4th, 2020	Dr. Sakai	M	46	Breast endocrinology surgeon, cytopathology
August, 23rd, 2020	Dr. Namba	M	43	Emergency doctor, Intensive Care doctor
August, 28th, 2020	Dr. Nimura	M	55	Chemotherapist, Surgeon
September, 1st, 2021	Dr. Ishida	F	59	Medical Technologist, Laboratory technician
January, 21st, 2022	Dr. Kataoka	M	33	Prosthodontics, Dentist, advanced prosthodontics at San Antonio
				Total Length of Interview – 705 min. (11 hours and 45 min.)

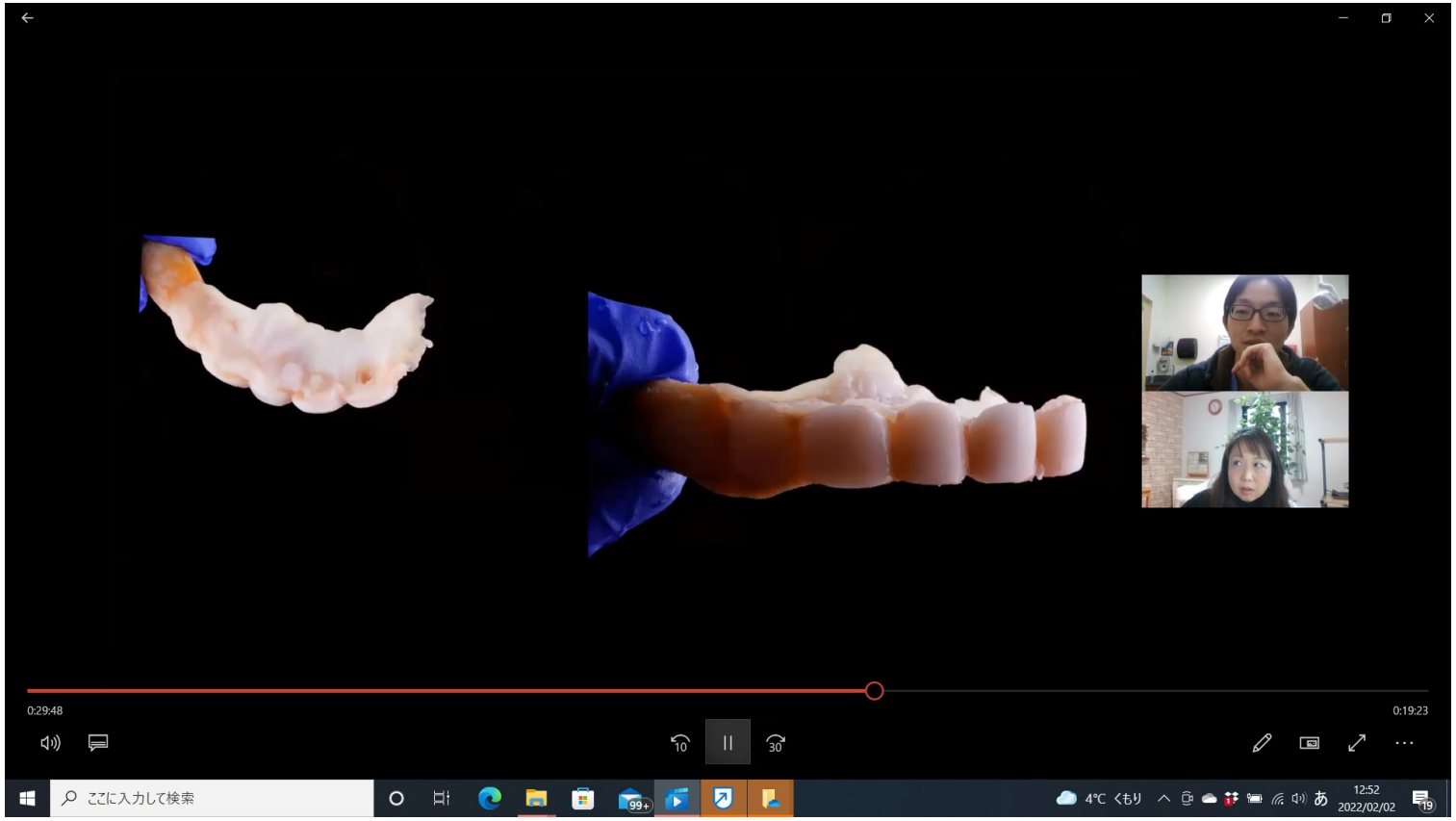
Participant of the observation

ENDO 2022					
Date/time	Title of the sessions I observed	The number of Chairmen and Presenters	Participants of this study	Permission to use the field note	Permission to use the video
May 14th 9:00:00	Optimizing the monitoring strategy monitoring strategy of Crohn's disease	Chair 3 (Japan 2 U.S.1) Commentator1 U.S. Presenter7 (Taiwan2 Japan 3 Belgium 1)	Dr. TAKADA Yoshiaki Dr. KIYOHARA Hiroki	○ ○	× ×
10:30	S09 Advances in colorectal polypectomy and endoscopic mucosal resection	Chair 3 (U.S.1 Vietnam 1 Singapore 1) Presenter4 (China 1 Japan 1 Australia 1 Italy 1)	Dr. MATSUDA Takahisa	○	○ he sent my his own video privately
12:00	Luncheon 5	Chair 1 (Japan) Presenter2 (China 1 Japan1)	Dr. FUJISHIRO Dr. ISHIKAWA + two staffs from Olympus	○ ○	○ very cooperative manner. The copyright is on the Olympus ○
13:00	Update on endoscopic bilary stenting	Chair 3 (U.S.1 Japan 1 Korea 1) Presenter7 (China 1 Japan 2 Singapore 1 Korea 2 U.S.1)	I couldn't talk to Dr. KATAYAMA Akio Dr. NAKAI Yosuke		
14:45	BA06 Best Abstracts: Oral	Chair 1 (Japan 1) Presenter6 (China 1 Japan 3 Hong Kong 1 Germany1)	Dr. UCHIDA Ryota Dr. INOUE Ken	○ ○	○ doctor in Juntendo hospital ○ he was very happy to participate in my research
16:00	The current situation and future endoscopy (IEE) - from polyp detection to characterization including AI technology	Chair 3 (Japan 1 Germany 1 Norway 1) Presenter8 (Itary 1 Spain 1 Belgium 1 Japan 3 Netherlands 1)	Dr. MURAKAMI Takeshi Dr. URAOKA Toshio	○ ○	○ doctor in Juntendo hospital ○ "plese use my data"

Empathy for understanding the patient’s cognition



Empathy for understanding the patient’s cognition



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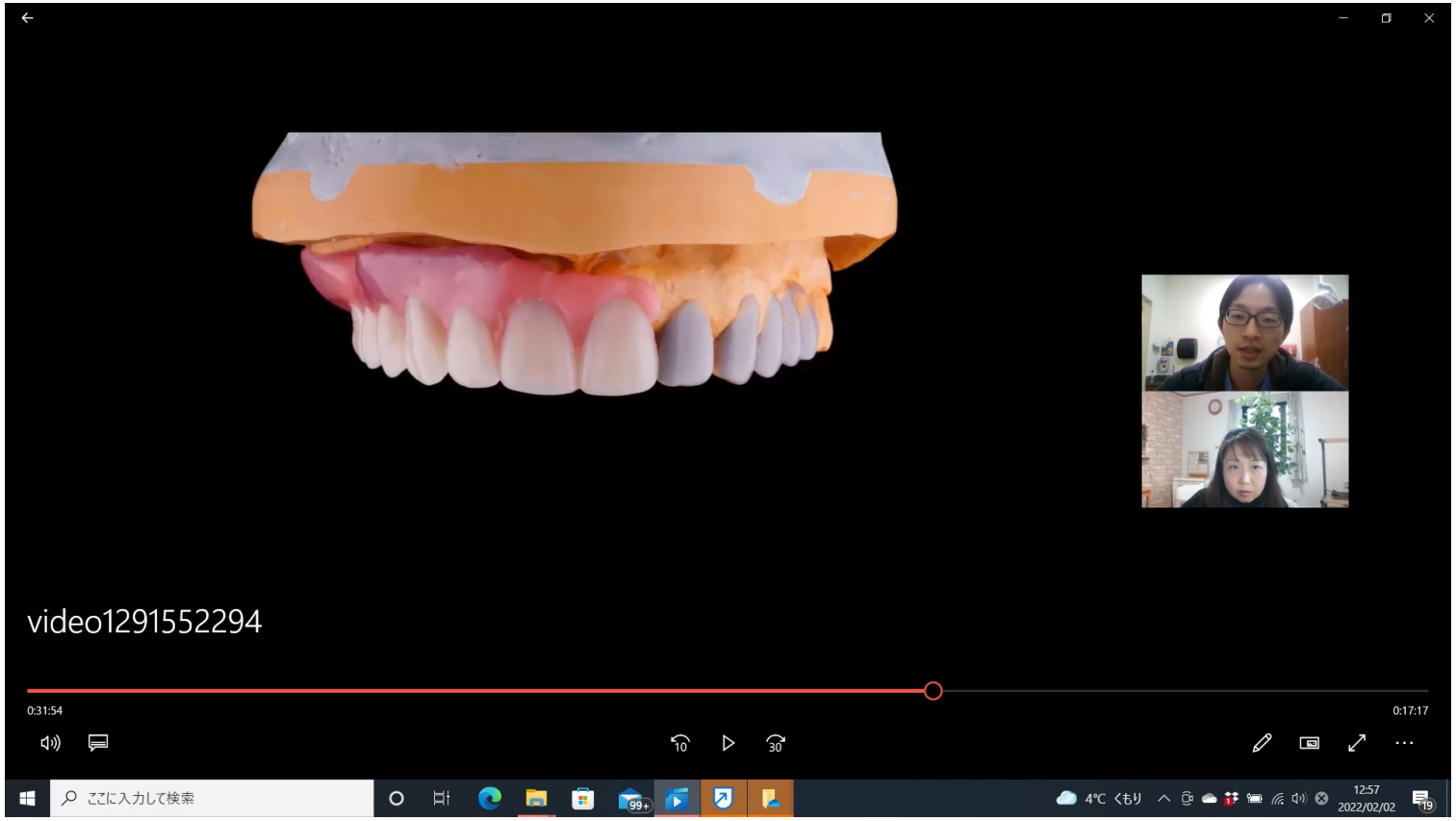

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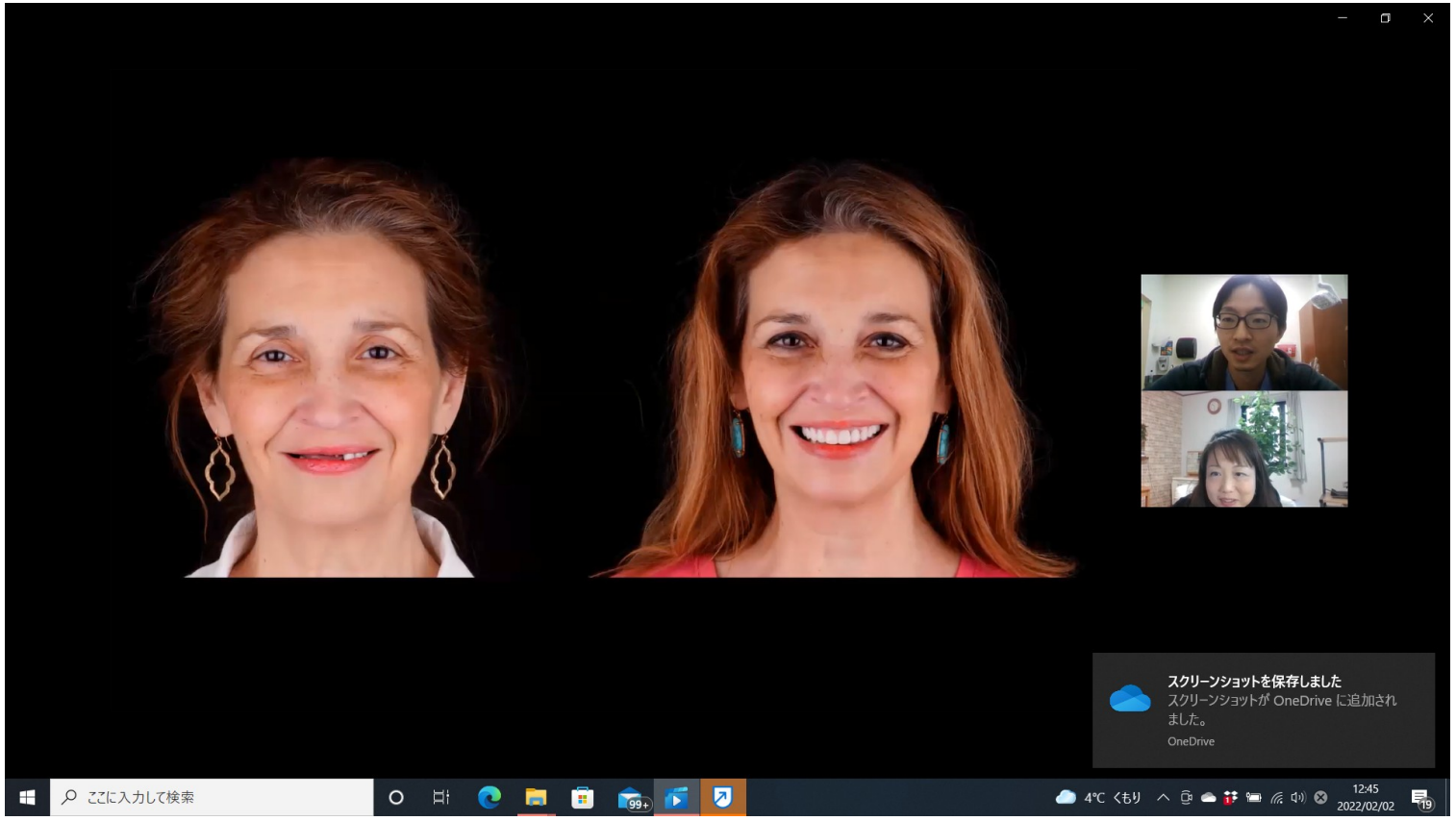

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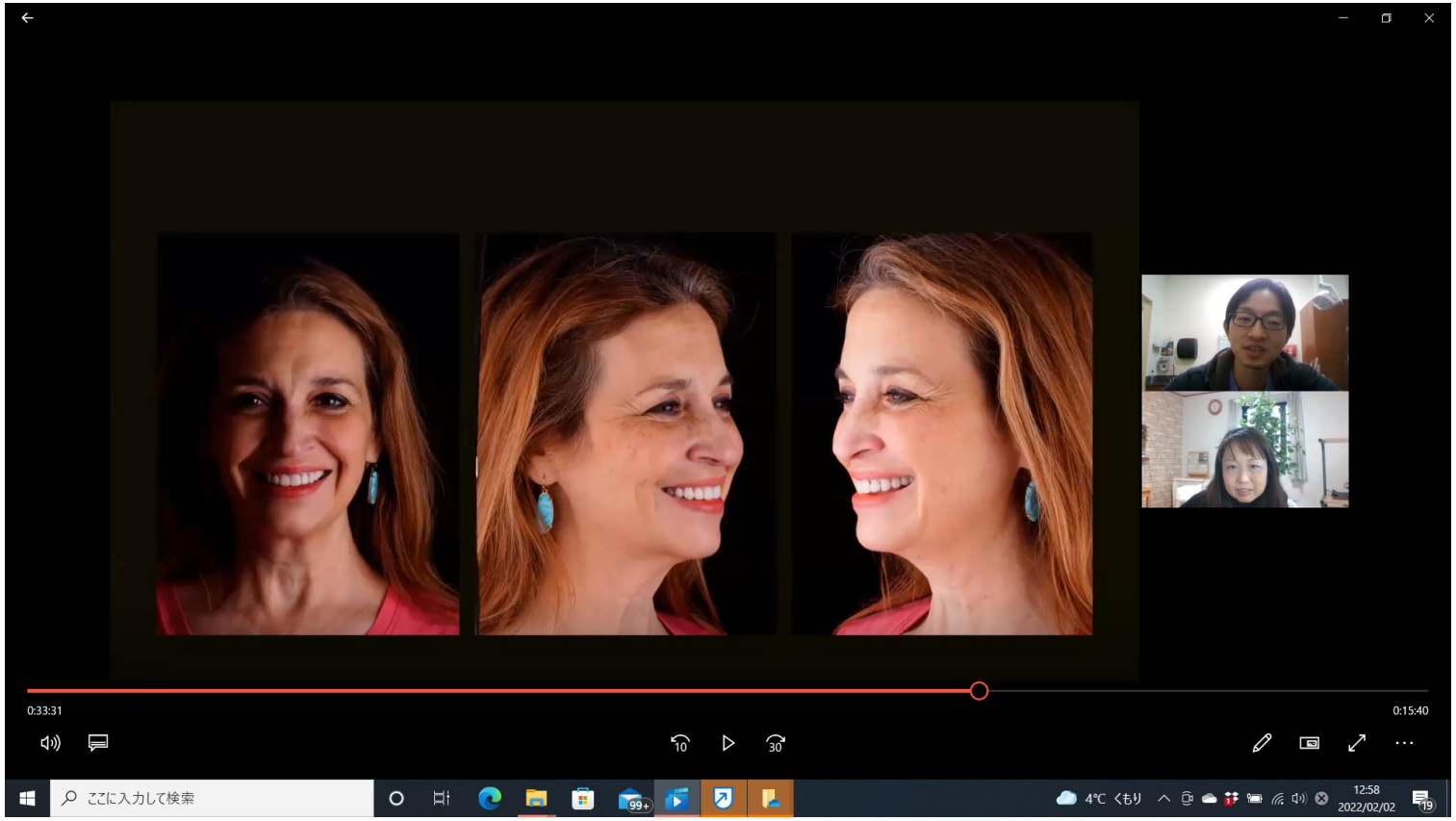
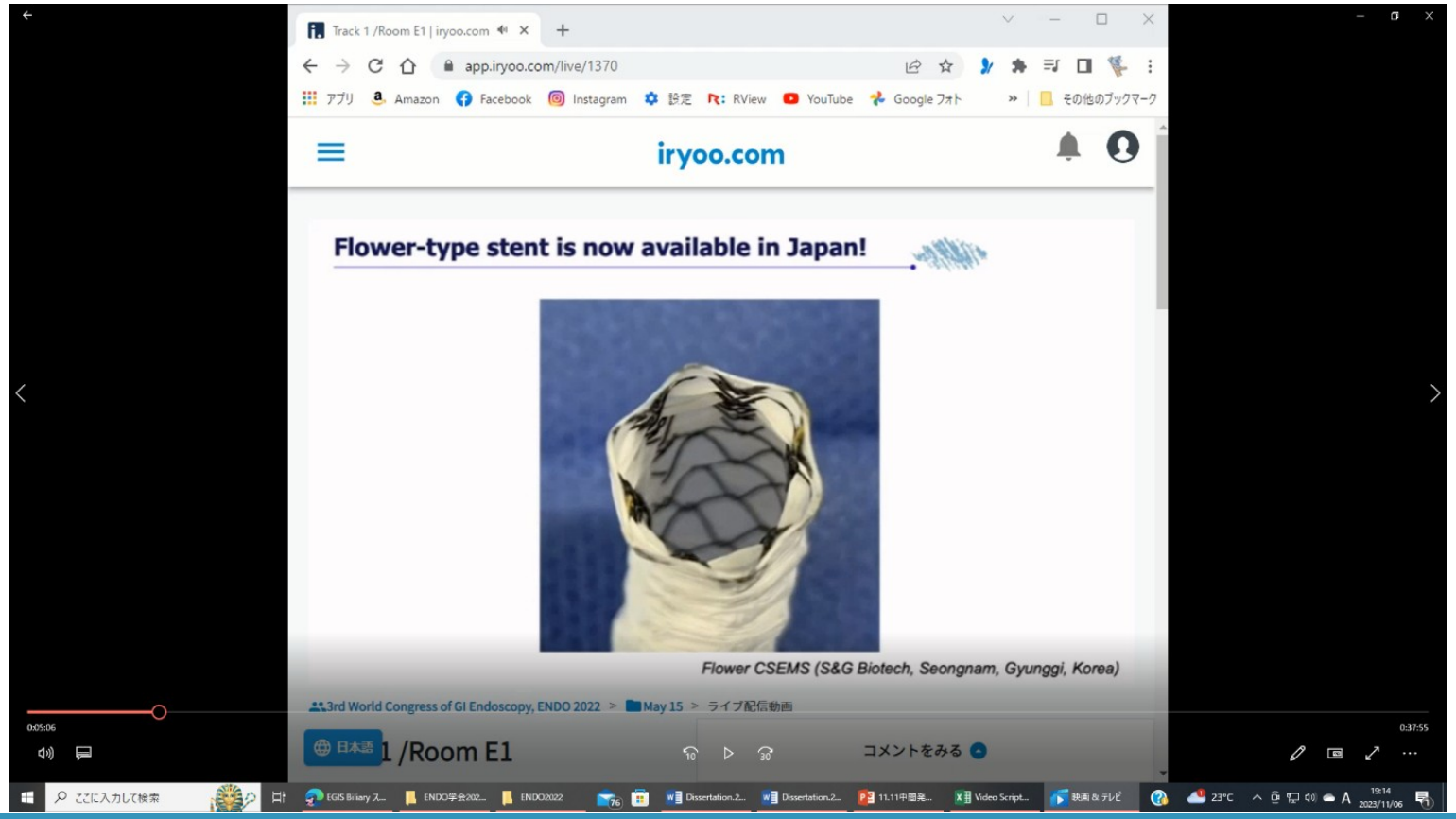
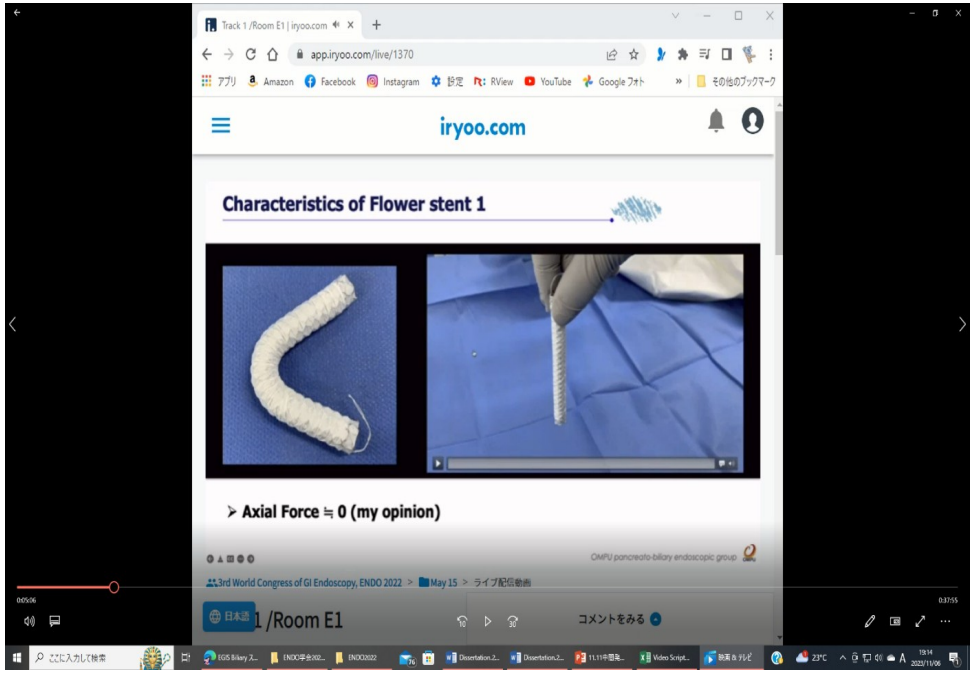
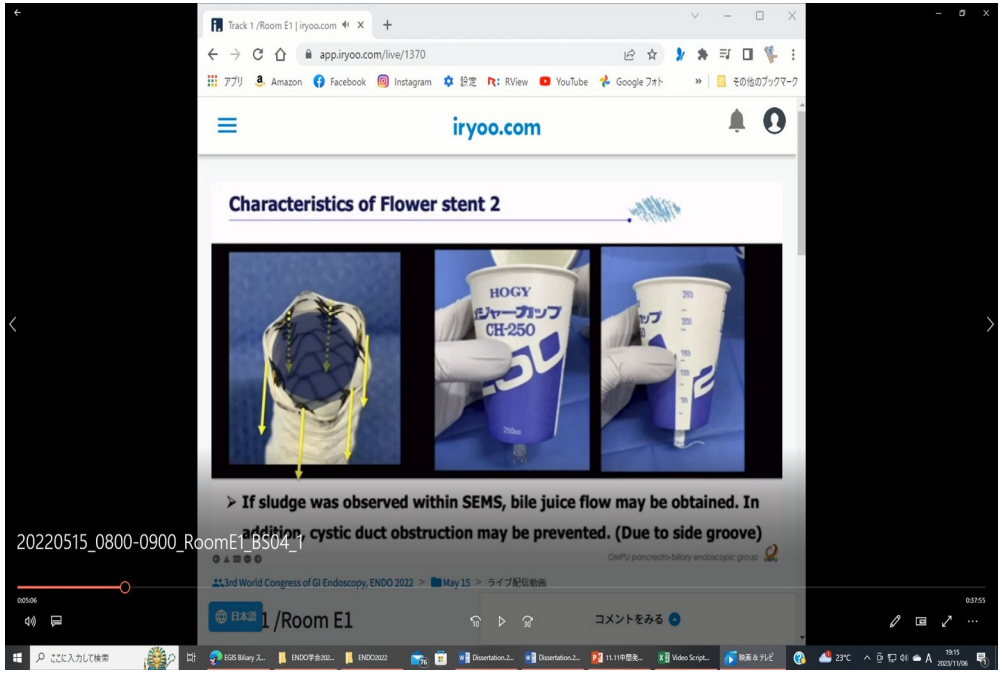


Ability to understand the audience’s cognition

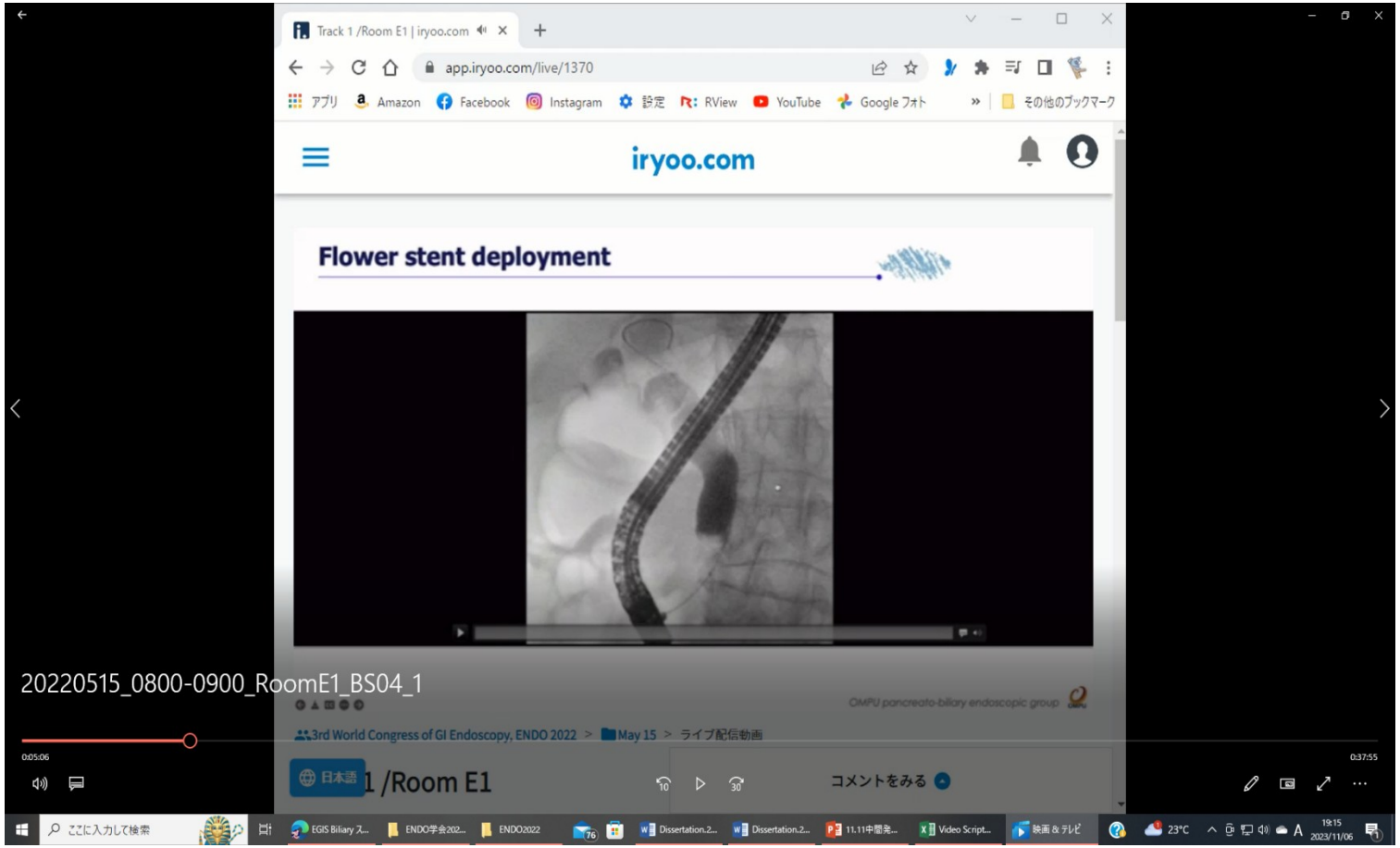


Ability to understand the audience’s cognition





Ability to understand the audience’s cognition



Mid-term results

Needs Analysis	Target Situation		Present Situation
	Interview	Observation (CA)	Questionnaire
Doctor's Literacy to understand patients'/audience' cognition	Empathy for understanding the patient's cognition	Ability to understand the audience's cognition	

Thank you so much.

Emiko Matsumoto